

SAMPLING AND TESTING GUIDE

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY			LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE		
600									
CONTROL LOW STRENGTH FLOWABLE FILL	Concrete Ingredients								
	Portland Cement	Air Content T137	DOT-175 Ga175	10 lbs.	QPL-3	One per Quarter, per Source, per District		Stock	
		Fineness M85							
		Autoclave M85							
		Compressive Strength M85							
		Vicat T131							
	Chemical M85								
	Portland Pozzolan Cement	Air Content T137	DOT-175 Ga175						
		Fineness M240							
		Autoclave M240							
		Compressive Strength M240							
	Vicat T131								
	Chemical M240								
	Fly Ash	Physical & Chemical ASTM C311	DOT-175 Ga175	10 lbs.	QPL-30	One per Quarter, per Source, per District		Stock	
		Fineness M295							
		Activity M295							
		Soundness M295							
		Density M295							
	Chemical M295								
	Coarse Aggregate	Wash 200 T11	DOT-658 Ga658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Source.		Stock or Conveyor Belt	
		Gradation T27							
	Fine Aggregate	Gradation T27	DOT-658 Ga658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		Stock or Conveyor Belt	
		Sand Equivalent GDT-63							
		Wash 200 T11							
Water	Quality of Water to be Used in Concrete T26	Ga088	1 qt.*	One per unpotable Source, per month			Enough in advance so that results are known before use	*non-metal container	
Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete M154	T152	1 qt.	QPL-13	One per 6 months, per Source, per District		Ready Mix Plant Stock		

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					ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE		
	Chemical Admixtures	Chemical Admixtures for Concrete M194	GACERT	1 qt.	QPL-14	One per 6 months, per Source, per District		Ready Mix Plant Stock	
	Deck Oil		GACERT	1 qt.	QPL-23	None		Stock	
602									
DOUBLEWALL PRECAST WALL	Complete Unit				Plant inspected by Central Lab Personnel <u>or</u> Certified Wall Panel Inspector				
	Backfill	Theoretical Density GDT-24 or GDT-7 & GDT-67	Ga409		As needed to control the work				
		In-Place Density GDT-21 or GDT-59	Ga553		One per day on continuous work		One per 20 days of wall placement, per Project	Completed Course	
		Gradation T27	DOT-658 Ga658		QPL-2	As needed			
Joint Treatment									
	Plastic Filter Fabric – Woven	Tensile Strength ASTM D4632	Misc. GACERT		QPL-28				Independent Assurance: sample occasionally
		Bursting Strength ASTM D3786							
		Elongation ASTM D4632							
		Percent Open Area GDT-88							
	Plastic Filter Fabric – Non-Woven	Puncture Resistance ASTM D4833	Misc. GACERT		QPL-28				Independent Assurance: sample occasionally
		Grab Tensile Strength ASTM D4632							
		Grab Elongation ASTM D4632							
		Flowrate GDT-87							
	Rubber Bearing Pads	Hardness ASTM D2240	Misc. GACERT						
	Preformed Cork	Recovery ASTM D1752	Misc. GACERT						
		Compression ASTM D1752							
		Extrusion ASTM D1752							
		HCl ASTM D1752							
	Bearing Pads	Dimensions	Misc. GACERT		Certified By Manufacturer & inspected by Office of Materials & Research			Before placement	
		Compression Modulus							
		Shear Modulus							
		Tensile Strength T244							
		Heat Aging ASTM D573							
	Concrete	Cylinder GDT-35 & T22	DOT-319 T152						
Reinforced Concrete Pipe									
	Physical Properties of Pipe	Diameter M170	Ga164		QPL-4 with CPT Stamp <u>or</u> pre-inspected by Central Lab with GDT Stamp				
		Thickness M170							
		Reinforcement Design M170							
		External Load Strength T280	OMR-INSP-86						
	Portland	Air Content T137							

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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY			LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE		
	Cement	Fineness M85	DOT-175 Ga175		QPL-3				
		Autoclave M85							
		Compressive Strength M85							
		Vicat T131							
	Fly Ash	Chemical M85	DOT-175 Ga175		QPL-30				
		Fineness M295							
		Activity M295							
		Soundness M295							
	Fine Aggregate	Density M295	DOT-658 Ga658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.			
		Chemical M295							
		Gradation T27							
		Wash 200 T11							
	Coarse Aggregate	Sand Equivalent GDT-63	DOT-658 Ga658	45 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.			
		Wash 200 T11							
		Gradation T27							
	Steel Wire for Reinforcement	Size M32M	Reinforcement Test Report Ga166	1 ft	Certified Mill Test Report	Random sampling at Manufacturer			
		Diameter M32M							
		Area M32M							
		Tensile Strength T244							
		Yield Strength T244							
		Area Reduction T244							
Bend Test M32M									
	Welded Steel Wire Fabric for Reinforcement	Size M55M	Welded Wire Test Report Ga166	1 ft ²	QPL-55	Random sampling at Manufacturer			
		Diameter M55M							
		Area M55M							
		Tensile Strength T244							
		Yield Strength T244							
		Area Reduction T244							
		Bend Test M55M							
		Weld Shear Strength M55M							
		Width M55M							
		Length M55M							
Spacing M55M									

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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY			LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE		
	Cylinders	Compressive Strength T22	Certification T152	3 ea.					
Non-Reinforced Concrete Pipe									
Physical Properties of Pipe	Diameter M86	Ga164				QPL-4 with CPT stamp or pre-inspected by Central Lab with GDT stamp			
	Thickness M86								
	Absorption M86								
	Permeability M86								
	External Load Strength T280	OMR-INSP-86							
Portland Cement	Air Content T137	DOT-175 Ga175			QPL-3				
	Fineness M85								
	Autoclave M85								
	Compressive Strength M85								
	Vicat T131								
	Chemical M85								
Fly Ash	Fineness M295	DOT-175 Ga175			QPL-30				
	Activity M295								
	Soundness M295								
	Density M295								
	Chemical M295								
Fine Aggregate	Gradation T27	DOT-658 Ga658		20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.			
	Wash -200 T11								
	Sand Equivalent GDT-63								
Coarse Aggregate	Wash 200 T11	DOT-658 Ga658		45 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.			
	Gradation T27								
Drainage									

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					ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE		
	Aggregate for Underdrain	Gradation T27	DOT-658 Ga658		One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance test on materials delivered from Section D Sources.			
	Corrugated Aluminum Alloy Pipe	Diameter M196M	Misc. Ga164a		QPL-56 & Pre-inspected with CMPT or GDT tags				
		Depth & Spacing of Corrugations M196M							
		Thickness M197M							
		Arch Dimensions M196M							
		Chemical M197M							
		Tensile Strength T244							
		Yield Strength T244							
	Elongation T244								
	Corrugated Steel Pipe	Diameter M36M	Misc. Ga164a		QPL-56 & pre-inspected with CMPT or GDT tags				
		Depth & Spacing of Corrugations M36M							
		Thickness M36M							
		Galvanization M218M							
	Corrugated Plastic Pipe	Diameter M252M	Misc. Ga164a		QPL-51				
		Depth & Spacing of Corrugations M252M							
		Thickness M252M							
		Stiffness ASTM D2412							
		Flattening M252M							
		Elongation M252M							
		Brittleness M252M							
		Flexibility M252M							
		Couplings M252M							
		Strength M252M							
	Reinforcing Steel								
	Steel Bars for Reinforcement	Number M31M	Reinforce- ment Test Report Ga166		QPL-12 & QPL-61				
		Weight M31M							
		Dimensions MM31							
		Deformation Spacing M31M							
		Height & Gap M31M							
		Tensile Strength T244							
		Yield Strength T244							
		Elongation T244							
		Bend Test T285							
	Chemical M31M								
	Steel Wire for Reinforcement	Size M32M	Reinforce- ment Test Report		Certified Mill Test Report				
		Diameter M32M							
		Area M32M							
		Tensile Strength T244							

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					ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE		
	Welded Steel Wire Fabric for Reinforcement	Yield Strength T244	Welded Wire Test Report Ga166	QPL-55					
		Area Reduction T244							
		Bend Test M32M							
		Size M55M							
		Diameter M55M							
		Area M55M							
		Tensile Strength T244							
		Yield Strength T244							
		Area Reduction T244							
		Bend Test M55M							
	Weld Shear Strength M55M								
	Width M55M								
	Length M55M								
	Spacing M55M								
	Dowel Bars	Number M31M	Reinforce- ment Test Report Ga166	QPL-43					
		Weight M31M							
		Dimensions M31M							
		Deformation Spacing M31M*							
		Height & Gap M31M*							
		Tensile Strength T244							
Yield Strength T244									
Elongation T244									
Bend Test T285									
Chemical M31M									
Coating 853.08									
603									
RIP RAP	Rip Rap (Stone) from Unapproved Source	Soundness T104				Visual Inspection			Requires approval by Pit & Quarry
	Rip Rap (Stone) from Approved Source			QPL-2		Visual Inspection			
	Stone Filter Blanket	Sand Equivalent GDT-63	DOT-658 Ga658						
		Soundness T104							
		Percent Wear T96							
	Gradation T27								
Membrane Curing Compound				QPL-16 or pre- inspected by Central Lab Personnel					
Portland Cement	Physical & Chemical Analysis M85	DOT-175 Ga175	20 lbs.	QPL-3					
	Air Content T137								
	Fineness M85								
	Autoclave M85								
	Compressive Strength M85								
Vicat T131									

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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY			LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE		
	Water	Chemical M85 Physical & Chemical Analysis T26	Ga088	1 qt.*	One per unpotable Source			Enough in advance so results are know before use	*non-metal container
	Fine Aggregate	Gradation T27 Wash -200 T11 Portland Cement Reaction GDT-5	Ga658	20 lbs.	One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; materials from Section D must be sampled.			Stock	
	Plastic Filter Fabric	Woven Tensile Strength ASTM D4632 Bursting Strength ASTM D3786 Percent Open Area GDT-88 Elongation ASTM D4632	Misc. GACERT		QPL-28				
604									
RETAINED EARTH WALL	Wall Panels		GACERT		QPL-9 Plant Shipping Report (OMR-122)				
	Soil Reinforcing Mesh	ASTM A82	GACERT		Pre-inspected by Central Lab Personnel & serially numbered GDT tags attached				
	Attaching Devices	As Specified	GACERT		Certified Mill Test Report				Independent Assurance: sample occasionally
	Concrete	Compressive Strength GDT-35 & T22	DOT-319 T152	2 cylinders	See NOTE 1		Observe 1 set per 750 yd ³	During pouring	Cylinders to be broken in Branch or Central Lab
		NOTE 1: One set per each 50 yd ³ of each Class of Concrete placed daily for each structure, except for Concrete used in Bridge Curb, Handrail or Wall Coping. Two Concrete cylinders shall be fabricated for each cumulative 50 yd ³ or fraction thereof, of concrete placed per week in each structure. Cylinders shall not be fabricated at one structure to represent Concrete placed in another structure.							
		Air Content GDT-26 or GDT-32	DOT-168 T152	See NOTE 2	When cylinders are made		Observe 1 set per 750 yd ³	Placement site	Additional Slump test will be required when Water is added on Project
		Slump GDT-27							
		Mix Temperature GDT-122							
		NOTE 2: Air, Slump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least every third load on Bridge Deck placement.							
	Joint Fillers	As Specified	GACERT		Certified Mill Test Report				Independent Assurance: sample occasionally
	Granular Backfill	Physical & Chemical Analysis As Specified	GACERT	45 lbs.	Approved by Central Lab Personnel			Prior to use	Requires approval by Pit & Quarry
		Theoretical Density GDT-24 or GDT-7				As needed to control the work			
		In-Place Density GDT-21 or GDT-59	DOT-553 Ga553		One per day on continuous work		One per 20 days of wall placement, per Project	Completed Course	

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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY			LOCATION OR TIME OF SAMPLING	REMARKS					
					ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE							
605														
GEORGIA STABILIZED EMBANKMENT	Filter Fabric	<i>As Specified</i>	GACERT		QPL-28									
	Wall Panels		GACERT		QPL-9 & Plant Shipping Report (OMR-122)									
	Backfill	ASTM A82	GACERT		Pre-inspected by Central Lab Personnel									
	Stabilizing Mesh													
	Steel Strap Connection	<i>As Specified</i>	GACERT	2 @ 24" for each size	Certified Mill Test Report & sampled by Central Lab Personnel									
	Concrete	Compressive Strength GDT-35 & T22	DOT-319 T152	2 cylinders	See NOTE 1			Observe 1 set per 750 yd ³	During pouring	Cylinders to be broken in Branch or Central Lab				
						NOTE 1: One set per each 50 yd ³ of each Class of Concrete placed daily for each structure, except for Concrete used in Bridge Curb, Handrail or Wall Coping. Two Concrete cylinders shall be fabricated for each cumulative 50 yd ³ or fraction thereof, of Concrete placed per week in each structure. Cylinders shall not be fabricated at one structure to represent Concrete placed in another structure.								
						Air Content GDT-26 or GDT-32	DOT-168 T152	See NOTE 2	When cylinders are made			Observe 1 set per 750 yd ³	Placement site	Additional Slump test will be required when Water is added on Project
						Slump GDT-27								
		Mix Temperature GDT-122												
NOTE 2: Air, Slump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least every third load on bridge deck placement.														
Joint Fillers	<i>As Specified</i>	GACERT			Certified Mill Test Report				Independent Assurance: sample occasionally					
Backfill	Physical & Chemical Analysis <i>As Specified</i>		45 lbs.		Approved by Central Lab Personnel			Prior to use	Requires approval by Pit & Quarry					
	Theoretical Density GDT-24 or GDT-7					As needed to control the work								
	In-Place Density GDT-21 or GDT-59	DOT-553 Ga553			One per day on continuous work		One per 20 days of wall placement, per Project	Completed Course						
607														
RUBBLE MASONRY	Masonry Stone	Percent Wear T96	Misc.	100 lbs.	If not on QPL-2, 1 per Source			Stock						
		Soundness T104												
		Visual Inspection												
	Mortar Sand	Gradation T27	DOT-658 Ga658	20 lbs.	QPL-1			One per 10,000 yd ³ , per Source						
		Wash 200 T11												
	Portland Cement	Physical & Chemical Analysis M85 or M150, Type II	DOT-175 Ga175	20 lbs.		QPL-3								
		Air Content T137												
		Fineness M85												
		Autoclave M85												
		Compressive Strength M85												
Vicat T131														
	Chemical M85													
Water	Physical & Chemical Analysis T26		1 qt.*		One per unpotable Source			Enough in advance so that results are known before use	*non-metal container					
608														

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					ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE				
BRICK MASONRY	Clay or Shale Brick	Specification Requirements M91, Grade MA		10 Bricks	One set per 50,000 bricks, per Source			Material delivered to Project			
	Concrete Brick	Specification Requirements ASTM C55		10 Bricks	One set per 50,000 bricks, per Source			Material delivered to Project			
	Brick	Size	Misc. GACERT								
		Absorption T32									
	Mortar Sand	Compressive Strength T32	DOT-658 Ga658	20 lbs.	QPL-1			One per 10,000 yd ³ , per Source	Stockpile		
		Gradation T27									
		Wash 200 T11									
		Organics T21									
		Mortar properties T71									
	Portland Cement	Physical & Chemical Analysis M85 or M150, Type II	DOT-175 Ga175	20 lbs.	QPL-3						
Air Content T137											
Fineness M85											
Autoclave M85											
Compressive Strength M85											
Water	Vicat T131	DOT-175 Ga175	20 lbs.	QPL-3							
	Chemical M85										
Water	Physical & Chemical Analysis T26	Ga088	1 qt.*		One per unpotable Source			Enough to advance so that results are known before use	*non-metal container		
609											
EARTH WALL REINFORCED	Wall Panels		GACERT		QPL-9 & Plant Shipping Report (OMR-122)						
	Reinforcing Tie Straps		GACERT	2 straps @ 24"	Certified Mill Test Report						
	Granular Backfill	Physical & Chemical Analysis As Specified			45 lbs.	Approved by Central Lab Personnel			Prior to use	Requires approval by Pit & Quarry	
		Theoretical Density GDT-21 or GDT-59					As needed to control the work				
		In-Place Density GDT-21 or GDT-59	DOT-553 Ga553			One per day on continuous work		One per 20 days of wall placement, per Project	Completed Course		
	Joint Fillers		GACERT			Certified Mill Test Report					
	Concrete	Compressive Strength GDT-35 & T22	DOT-319 T152		2 cylinders	See NOTE 1		Observe 1 set per 750 yd ³	During pouring	Cylinders to be broken in Branch or Central Lab	
		NOTE 1: One set per each 50 yd ³ of each Class of Concrete placed daily for each structure, except for Concrete used in Bridge Curb, Handrail or Wall Coping. Two Concrete cylinders shall be fabricated for each cumulative 50 yd ³ or fraction thereof, of Concrete placed per week in each structure. Cylinders shall not be fabricated at one structure to represent Concrete placed in another structure.									
		Air Content GDT-26 or GDT-32	DOT-168 T152	See NOTE 2	When cylinders are made			Observe 1 set per 750 yd ³	Placement site	Additional Slump tests will be required when Water is added on Project	
		Slump GDT-27									
Mix Temperature GDT-122											
NOTE 2: Air, Slump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least every third load on bridge deck placement.											

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					ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE		
	Reinforcing Steel					QPL-12			
621									
CONCRETE BARRIER	Concrete Ingredients Agents								
Portland Cement	Air Content T137	DOT-175 Ga175							
	Fineness M85								
	Autoclave M85								
	Compressive Strength M85								
	Vicat T131								
Chemical M85									
Portland Pozzolan Cement	Air Content T137	DOT-175 Ga175							
	Fineness M240								
	Autoclave M240								
	Compressive Strength M240								
	Vicat T131								
Chemical M240									
Fly Ash	Physical & Chemical ASTM C311	DOT-175 Ga175	10 lbs.	QPL-30		One per Quarter, per Source, per District			
	Fineness M295								
	Activity M295								
	Soundness M295								
	Density M295								
Chemical M295									
Fine Aggregate	Gradation T27	DOT-658 Ga658	20 lbs.		One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month , per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.			
	Sand Equivalent GDT-63								
Coarse Aggregate	Wash 200 T11	DOT-658 Ga658	45 lbs.		One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month , per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.			
	Gradation T27								
Water	Quality of Water to be Used in Concrete T26	Ga088	1 qt.*		One per unpotable Source, per month			Enough in advance so that results are known before use	*non-metal container
Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete M154	T152	1 qt.	QPL-13		One per 6 months, per Source, per District		Ready Mix Plant Stock	

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	Chemical Admixtures	Chemical Admixtures for Concrete M194	T152	1 qt.	QPL-14	One per 6 months, per Source, per District		Ready Mix Plant Stock	
	Deck Oil		GACERT						
	Steel Bars for Reinforcement	Number M31M Weight M31M Dimensions M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength T244 Yield Strength T244 Elongation T244 Bend Test T285 Chemical M31M	Reinforcement Test Report Ga166	2 pcs. @ 24" per size	QPL-12 & QPL-61	Random sampling at Fabricator			
Joint Fillers & Sealers									
	Preformed Joint Filler	M153 or M213	Misc. GACERT	10"	QPL-20			Stock	Sample in accordance with SOP-17
	Hot Pour Joint Sealers	Penetration GDT-62 Flow GDT-62 Resilience GDT-62 Bond GDT-62 Compatibility GDT-62	Misc. GACERT	1 kit	Pre-inspected by Central Lab; 1 sample per shipment			Stock	
	Elastomeric Polymer Type Joint Compound	Cone Penetration GDT-15 Solubility GDT-15 Resilience GDT-15 Flow GDT-15 Bond GDT-15	Misc. GACERT	1 kit	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment			Stock	
	Preformed Elastic Joint Sealer	Tensile Strength ASTM D412 Elongation at Break ASTM D412 Hardness ASTM D2240 Oven Aging ASTM D573 Oil Swell ASTM D471 Ozone Resistance ASTM D1149 Joint Sealer Recovery GDT-47 Compression/Deflection GDT-70	Misc. GACERT	36"	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment			Stock	
	Water-Blown Urethane Joint Filler	Specification 833.05	Misc. GACERT		Certified Mill Test Report				
	Silicone Sealant	Tensile Stress ASTM D412 Hardness ASTM D2240 Bond GDT-106 Tack Free Time GDT-106 Extrusion GDT-106 Non-Volatile GDT-106	Misc. GACERT		QPL-66 or 1 sample per batch, per Type			Stock	

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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY			LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE		
		Specific Gravity <i>ASTM D792</i>							
		Adhesion <i>GDT-106</i>							
		Resistance <i>ASTM C793</i>							
Bond Breakers -Rods		Density <i>ASTM D1622</i>	Misc. GACERT	6 ft	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment		Stock		
		Tensile Strength <i>ASTM D1623</i>							
		Water Absorption <i>ASTM C1061</i>							
Bond Breakers -Tape		Thickness	Misc. GACERT		Certified Mill Test Report				
Neoprene for Bridge Deck Joint Seal		<i>Specification 833.07</i>	Misc. GACERT		Certified Mill Test Report				
Ethylene Diene Propylene Diene Monomer for Bridge Deck Joint Seals		<i>Specification 833.08</i>	Misc. GACERT		Certified Mill Test Report				
Polyurethane Sealant for Inductive Loops		Hardness <i>ASTM D2240</i>	Misc. GACERT		QPL-75				
		Tensile Strength <i>ASTM D412</i>							
		Elongation <i>ASTM D412</i>							
		Flexibility Weather Resistance <i>ASTM D822</i>							
Preformed Foam Joint Filler		<i>Specification 833.10</i>	Misc. GACERT		Certified Mill Test Report				
Concrete		Strength <i>GDT-35 & T22</i>	DOT-319 T152	2 cylinders	See NOTE 1		Observe 1 set per 1500 yd ³	During pouring operation	Cylinders to be tested in Branch or Central Lab
<p>NOTE 1: One set per each 75 yd³ or fraction thereof placed daily, except for Concrete barrier placed with slip form equipment. Two cylinders shall be fabricated for each 150 yd³ or fraction thereof placed daily.</p>									
		Air <i>GDT-26 or GDT-32</i>		See NOTE 2				During pouring operation	
		Slump <i>GDT-27</i>				Observe 1 set per 1500 yd ³			
		Mix Temperature <i>GDT-122</i>							
<p>NOTE 2: Air, Slump & Mix Temperature tests are required when cylinders are made & as judged necessary to insure adequate control.</p>									